

CLAIMS

1. A system for receiving pages comprising:
a searcher for detecting correlation energy of several pilot channels and for demodulating at least two quick paging channels;
a control system coupled to said searcher for determining whether said correlation energy exceeds a threshold, thereby determining a number of best base stations;
a demodulation element coupled to said searcher for demodulating paging channels transmitted from said best base stations, wherein timing of said paging channels are substantially overlapping and based on timing of at least one of said quick paging channels.

2. The system as set forth in claim 1 further comprising:
a combiner for soft combining paging messages received from said best
base stations;
a decoder for decoding soft decision data from said demodulation
element.

2 A 2 3. The system as set forth in claim 1 further comprising:
an RF unit for generating signal samples of at least one of said
several pilot channels, quick paging channels, and paging channels.

4. The system as set forth in claim 1 further comprising:
a control unit for activating said searcher during quick page time slots assigned to said system for receiving pages, and for activating said demodulating element during paging time slots identified by at least one of said quick paging channels.

5. A method comprising:
searching several pilot channels associated with several base stations;
selecting at least two base stations having associated pilot signal energies exceeding a threshold;
demodulating for paging channels transmitted by said at least two base stations over substantially overlapping time slots.

6. The method as set forth in claim 5 further comprising
2 combining a result of said demodulating generated by each of said paging
channels.

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7. A method for receiving a page comprising:
2 searching for pilot channels, yielding a set of detected pilot channels that
exceed a correlation energy threshold;
4 demodulating for paging channels generated from a set of base stations
corresponding to said detected pilot channels, wherein said paging channels are
6 transmitted over substantially overlapping time slots.

8. The method as set forth in claim 7 further comprising combining
2 data symbol energies of said paging channels.

9. The method as recited in claim 7 further comprising
2 demodulating at least a quick paging channel transmitted from a base
station in said set of base stations.

10. The method as recited in claim 9 wherein said searching is
2 performed at substantially the same time as said demodulating said quick
paging channel.

11. The method as recited in claim 7 wherein said searching is
2 performed at a time prior to said demodulating said paging channel.

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